

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
SaltCreekOilSpill (E15607) - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #10
New Daily Report Format
SaltCreekOilSpill (E15607)
V6QL
Marietta, OK
Latitude: 33.9529310 Longitude: 97.0224430

To:
From: Jhana Enders, OSC
Date: 2/9/2015
Reporting Period: 02/09/2015

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: OPA	Response Type: Emergency
Response Lead: PRP	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit: 00
Mobilization Date: 1/30/2014	Start Date: 1/30/2014
Demob Date:	Completion Date: 10/11/2015
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#: E15607	Reimbursable Account #:

1.1.1 Incident Category

Emergency

1.1.2 Site Description

On 30 January 2015, EPA received notification from the NRC of a discharge estimated at 1200 barrels of crude oil from a pipeline owned by JP Energy, Irving, Texas. The discharge occurred near Marietta, Love County, Oklahoma and was reported to have impacted an unknown Creek later identified as Salt Creek, a tributary to Lake Texoma. The cause of the discharge was unknown. The site is located on rural property which is used for oil production and oil field services and ranching. The discharge was from a 4 inch pipeline.

1.1.2.1 Location

The estimated 1200 barrel pipeline spill occurred near the city of Marietta, Love County, Oklahoma (33.952931 Latitude, 97.022443 Longitude).

1.1.2.2 Description of Threat

Salt Creek is a tributary to Lake Texoma which houses drinking water intakes and the Hagerman National Wildlife Refuge. Hickory Creek, Love Valley Wildlife Management Area and Hickory Creek Wildlife Management Area are also located in the vicinity of the site.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

An OSC and START contractor were activated to respond to the discharge. EPA also notified ODEQ and DOI of the incident. Upon arrival onsite, the EPA Team met with the RP and visually confirmed the oil impact to Salt Creek. The spill pathway impacted approximately 0.95 miles of land surface and Salt Creek. RP Contractors were onsite assessing the spill, deploying boom, constructing dams, and removing oil from the creek.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On 02/09/15, Due to some inconsistencies in daily reporting, the OSC coordinated a meeting with JP

Energy and their upper management to develop a new daily report format. The daily activities will now be reported in the, 'Documents' section under, 'RP Daily Updates.' The report will reflect the previous day activities in order to let the frac tanks settle overnight which should give a more accurate oil recovery number.

On 02/07/15, the RP continued oil removal activities with 70 total personnel on-site. The RP contractor personnel were onsite picking up, bagging and staging oiled vegetation. Water washing and leaf blowers were used to move the oil to recovery areas. The majority of the oil has been washed to between underflow dams 4 and 5. RP contractors operated 2 vac trucks recovering oil directly before underflow dam 5 with 2 skimmers. RP contractors also continued scraping oil from the creek bank with rakes between underflow dams 1 and 2. Due to some reporting issues, the OSC has scheduled a meeting tomorrow with the RP to go over the daily report format.

On 02/06/2015, Per RP Update: 4 skimmers deployed. 70 people working on site today on the cleanup. 4 vac trucks working. 4 boats being dragged to carry debris and/or wash down pumps. 6 wash down pumps deployed in the creek for moving oil. 500 bags collected today. Total bags to date 2825. 5 bbl of crude oil recovered today from skimming, and were brought up the hill in vac trucks to be stored in vac trucks. 22 bbl have been removed from site to be put back in the system. 552 bbl of water have been recovered. 452 bbl water have been sent for disposal to the Carter County Disposal in Wilson, OK. To date 437 bbl have been recovered by our calculations.

On 02/05/2015, the RP continued oil removal activities with 70 total personnel on-site. The RP contractor personnel were on-site picking up, bagging and staging oiled vegetation. Water washing and leaf blowers were used to move the oil to recovery areas. The majority of the oil has been washed to between underflow dams 2 and 3 and between underflow dams 4 and 5. RP contractors operated 2 skimmers with 2 vac trucks removing oil and 2 additional vac trucks recovering oil directly from the creek without skimmers. Underflow dam #2 was re-constructed with a larger pipe. RP contractors also conducted scraping of oil from the creek bank with rakes. According to the RP, approximately 412 bbl of oil has been recovered to date.

On 02/04/2015, the RP continued oil removal activities with 70 total personnel onsite. The RP contractor personnel were onsite picking up and bagging oiled vegetation. Water washing and leaf blowers were used to move the oil to recovery areas. RP contractors operated a total of 5 vac trucks and two skimmers for oil recovery. Underflow dams #6, #5, #4 and #3 were re-constructed due to the heavy rain and flooding on 02.01.15. As of 02/04/15, a total of approximately 329 bbl of crude oil has been recovered. Additionally, the ruptured section of pipeline was repaired (welded).

On 02/03/2015, the RP continued oil removal activities with a crew of approximately 30 today. RP contractor personnel were onsite picking up and bagging oiled vegetation, water washing was used to move the oil to recovery areas. RP contractors operated 2 skimmers with 2 vac trucks removing oil. Underflow dam #8 was completed and re-construction (due to heavy rain/flooding) of underflow dam #6 was started. Fish and Wildlife Service (FWS) out of Tulsa, Oklahoma visited the site to conduct an assessment and will provide a report of findings.

On 02/02/2015, the RP continued oil removal activities with a light crew today as previous crew was working since 01/30/15 and off for rest. 20 RP contractor personnel were onsite picking up and bagging oiled vegetation, as well as 2 skimmers and one vac truck removing oil. One additional underflow dam (9) was constructed downstream from underflow dam 8. The EPA team conducted air monitoring for CO, H2S, VOCs, LEL, and O2 at the vac truck and skimmer locations and near underflow dam 1 where crews were bagging and removing debris. Air monitoring detected no concentrations above background.

On 2/1/2015, RP continued Response operations. During the night of 1/31/15 - 2/1/15 runoff from heavy rain in the area drained into Salt Creek, resulting in the washout of 6 of the 7 underflow dams constructed previously. Underflow dam 7, the last underflow dam downstream remained intact. On the morning of 2/1/15, the EPA team observed water in Salt Creek had risen significantly, however the discharged oil remained contained by boom deployed by RP contractors upstream of underflow dam 7. Oil sheen was observed downstream, but no free product was observed. During the day, RP contractors focused on water management, and deployed 15 two inch pumps, 1 four inch pump, 1 six inch pump, and 1 ten inch pump at underflow dam 7 to transfer water and prevent washout of the underflow dam. Sand bags were also used to shore up underflow dam 7. As of 1511 hours, the water level at underflow dam 7 had dropped leaving approximately 4 feet of freeboard at underflow dam 7. Not only rain but excessive mud was challenging for heavy equipment onsite. Onsite personnel increased to 72.

As a precaution an 8th dam was partially constructed downstream of underflow dam 7 that could be completed quickly if needed. RP contractors deployed hard boom at three locations downstream and sorbent boom at five locations downstream of dam 8.

No material entered Lake Texoma. The damaged section of pipeline will be sent for hydrostatic testing.

The EPA team conducted air monitoring for CO, H2S, VOCs, LEL, and O2, at oil impacted areas, and observed concentrations to be consistent with background.

The ERRs contractor (EQ) has resources in Ft Worth, Tx if needed (SWS). Approximately 3-4 hours move time.

As of 31 January 2015, RP contractors had mobilized ten (10) vac trucks, eight (8) frac tanks, five (5) track hoes, two (2) bulldozers, and three (3) drum skimmers. The EPA Team walked the entire spill pathway with the RP to assess conditions, resources and to photo document. The RP contractors constructed underflow dams at 7 locations in Salt Creek from 30-31 January. Oil removal operations continued in the creek utilizing three (3) drum skimmers, and multiple vacuum trucks. Recovered oil is transferred to onsite frac tanks pending disposal. RP contractors deployed additional hard boom downstream of the extent of the

spill. RP Contractors also continued oil and impacted vegetation removal in the spill pathway between the discharge location and the entry point to Salt Creek.

On 30 January 2015, OSC Enders and START contractors were mobilized to assess site conditions and provide assistance as needed. The EPA Team met with the Responsible Party (RP) and conducted an assessment which confirmed Salt Creek had been impacted from the discharge. The RP had begun cleanup operations

Oil was observed along the length of the impacted creek, to a distance of approximately 0.95 miles from the discharge point. The oil was contained by hard and sorbent boom deployed by the RP. RP Contractors were onsite with approximately 20 response personnel. The primary OSRO is Dillon Environmental, supported by Hull's Environmental. The RP consultant Apex Environmental was also onsite. There are five recovery points in the creek with vac trucks removing oil, and two dams (not underflow). A third dam (underflow) is being constructed downstream of the spill. The RP deployed two drum skimmers at two of the five recovery points. Oil in the water was observed along the entire spill pathway. No material reached Texoma Lake. The RP plans to leave a small crew onsite to receive additional equipment and supplies overnight. Operations will commence at 0600 on 31 January 2015.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

JP Energy, LP
600 East Las Colinas Blvd
Suite 2000
Irving, Texas 75039

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

No information available at this time.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

US EPA
JP Energy
ODEQ
OCC
FWS

3.2 Cooperating Agencies

DOI
PHMSA

4. Personnel On Site

Apex Environmental, an environmental consultant for the RP.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.